

1-1-1903

# President's Report to Board of Trustees, 1903

Clemson University

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## Recommended Citation

University, Clemson, "President's Report to Board of Trustees, 1903" (1903). *President's Reports to the Board of Trustees*. 137.  
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REPORT TO BOARD OF TRUSTEES.

1903

This is my first report to your Honorable Body and it is, therefore, with some degree of hesitancy that I enter into a detailed analysis of this Institution concerning its development made possible by its present condition. This hesitancy is due, not to the fact that I am a comparative stranger to the members of the Board, but because of the short time I have been occupying the position of President of the college. It may seem presumptuous in me to begin so soon after assuming charge of this important post to make recommendations for future development and advancement.

I will assure your Honorable Board, however, that since I arrived in Clemson, I have been an earnest student concerning the conditions of the college, and I have read deeply into the past remarkable growth, and how well you have discharged the responsibility placed in your hands by the people of South Carolina. Clemson Agricultural College is one of the best Institutions in the entire Southern country, in the character of the work being done, in the men composing the Faculty, and in the fine equipment of buildings and plants. The Board is to be congratulated on the results accomplished within the few years of the existence of the college. It has been my pleasure to visit and make a special study of <sup>many</sup> most of the land grant colleges of the United States, to which group Clemson College belongs, and I must say that when I began my studies here last September, I was amazed to see so much accomplished in such a short time. So little is known by the people outside of South Carolina concerning Clemson Agricultural College and its work, I was unprepared to believe that the work of only nine years could show such excellent results.

Looking as far into the future as the experience of twenty-five years of college life will permit me to assume the right to do, I cannot help but feel that this college is to be of great value to the people of South Carolina in the development of the natural re-



-sources of the state, and the better preparation of the people to meet the demands of the intellectual and commercial world. The men of the future who will be called upon to manage the affairs of the state in the direction of important business transactions will be just such men as this college will be turning out year after year. South Carolina is destined to be one of the great manufacturing commonwealths of the country, and we will be able in this Institution to prepare young men to take possession of the best positions in these enterprises. Your Board has been wise in getting ready for just such a time which is surely coming, and it is not far in the future. But to meet this emergency there must be no backward step on our part, and we must see to it that the departments of the college and station grow as rapidly as the demand requires. In fact, it will be wise to anticipate the demand in some cases and reach out ahead of the conditions of the people and create the demand by introducing new departments of inspection and research and extend the borders of those already in existence by giving them renewed facilities and appliances. The state has been very liberal in the appropriation of money for the upbuilding of the Institution, and we will be remiss in our duty if we failed to measure up to the full standard of our responsibility and opportunities. Now, if you will bear with me, I will endeavor to point out some of the avenues through which advancement may be made with material benefit to the college.

Faculty In the first place, I am convinced that a re-adjustment of the Faculty in the matter of titles and salaries will greatly help to place the Institution on a basis of dignity when compared with other colleges of like character. This will also tend largely towards producing satisfaction among the members of the Faculty and officers and make them feel that they have permanency and an abiding place here. As we have matters now arranged, there is a restlessness apparent among the teachers, and we are rapidly losing some of the best men we have as soon as other colleges find out their value. This fact was strongly brought



*Director*

DEANS OF DEPARTMENTS (con)

- 3.- Agricultural Department. (*including State Experiment Station*)  
Col. J. S. Newman. (salary \$2,000) (2,000)
- 4.- Textile Department.  
J. H. M. Beaty. (salary \$2,000) (2,000)
- 5.- Mechanical and Electrical Department.  
W. M. Riggs. (\$1800 salary) (2,000)
- 6.- Military Department.  
E. A. Sirmyer. (\$1,600 salary) (2,000)
- 7.- Civil and Mining Department. (*Recommend that this Dept. be established at the June meeting to be filled June 1904*)  
This is recommended to provide for the prospective appropriation from Congress, referred to in the first part of my report.

~~FULL~~ PROFESSORS.

- 1.- English,  
C. M. Furman. (salary \$1,750) (1800)
- 2.- History,  
W. S. Morrison. (salary \$1,750) (1800)
- 3.--Geology and Mineralogy,  
J. V. Lewis. (\$1,750 salary) (1800)
- 4.- Mathematics,  
P. T. Brodie. (salary \$1,750) (1800)
- 5.- ~~Civil Engineering.~~  
(~~This position to be filled~~)
- 6.- ~~Mining Engineering.~~  
(~~This position to be filled~~)

ASSOCIATE PROFESSORS.

- 1.- Chemistry,  
R. N. Brackett, (salary \$1500) (1500)
- 2.- Mechanical Engineering,  
S. B. Earle (salary \$1500) (1500)
- 3.- Physics,  
T. G. Poats, (salary \$1200) (1500)



4.- Veterinary Science,

G. E. Nesom, (salary \$1500) (1500)

5.- Weaving and Designing,

F. D. Frissell, (salary \$1500) (1500)

6.- Horticulture,

C. C. Newman, (salary \$1200) (1500)

7.- Drawing,

R. E. Lee, (salary \$1200) (1500)

8.- Entomology and Zoology,

Chas. E. Chambliss, (salary \$1200) (1500)

9.- Botany and Bacteriology,

Haven Metcalf, (salary \$1500) (1500)

ASSISTANT PROFESSORS.

1.- Agricultural Analysis,

F. S. Shiver, (salary \$1200) (1200)

2.- English,

J. S. Mc.Lucas, (salary \$1200) (1200)

3.- Agriculture,

H. Benton. (salary \$1200) (1200)

4.- Forge and Foundry,

Wills Johnson, (\$1200 salary) (1200)

5.- Mathematics,

C. B. Waller, (salary \$1200) (1200)

6.- English,

D. W. Daniel, (salary \$1200) (1200)

7.-Machine Shop,

S. C. Wright, (salary \$1200) (1200)

8.- Dyeing and Textile Chemistry,

J. H. James, (salary \$1200) (1200)

9.- Mathematics,

S. M. Martin, (salary \$1200) (1200)

10.- Mathematics,

S. W. Reaves, (salary \$1200) (1200)

ASSISTANT PROFESSORS (con)

11.- Electricity,

H. H. Kyser, (salary \$1200)

(1200)

12.- Wood-work,

J. H. Hook, (salary \$1200)

(1200)

13.- Dairying and Animal Husbandry,

C. O. Upton, (salary \$900)

14.- Mathematics and Registrar,

G. Shanklin, (salary \$1200)

(1200)

15.- Drawing, Free-hand,

W. W. Klugh, (salary \$900)

16.- English,

T. W. Keitt, (salary \$1200)

(1200)

ASSISTANTS OR INSTRUCTORS.

1.- English,

A. B. Bryan, (salary \$800)

2.- Wood-work,

J. W. Gantt, (salary \$600)

3.- Chemistry,

D. H. Henry, (salary \$800)

4.- Textile,

B. M. Parker, (salary \$700)

5.- Poultry,

O. M. Watson, (salary \$600)

6.- English, Mathematics & Drawing,

M. E. Bradley, (salary \$600)

7.- Mathematics,

J. E. Hunter, (salary \$600)

8.- Mechanical Drawing,

F. T. Dargan, (salary \$600)

9.- Veterinary Science,

R. J. Foster, (salary \$700)



I would suggest that the salaries be adjusted so as to give to each of the <sup>Directors</sup> ~~Deans~~ of the Departments \$2000 and a house; to each of the Professors, \$1800 and a house; to each of the Associate Professors, \$1500 and a house; and to each of the Assistant Professors, \$1200 and a house. It would not be practicable in every case to give a house, so I would recommend that in each instance where this is not possible, commutation in money be rendered. For instance, in the case of positions commanding the salary of \$1800 <sup>and above</sup> and a house, give \$150 commutation. For salaries below \$1800 and above \$1200, give \$100 commutation.

The following men are not provided with houses:

E. A. Sirmyer,	(\$150)
S. B. Earle,	(\$100)
T. G. Poats,	(\$100)
Wills Johnson,	(\$100)
S. C. Wright,	(\$100)
H. H. Kyser,	(100)
J. S. Mc.Lucas,	(\$100)
C. B. Waller,	(\$100)
D. W. Daniel,	(\$100)

\$  
950

I deem it but proper to say that in the case of the Commandant, who is at the head of one of the departments of the college, it is but just that his salary should be on a par with the other men who occupy similar positions. The United States Government is now paying him a salary of \$1600. This would, therefore, necessitate an increase of \$400 to put him along with the men who occupy similar positions. I make this suggestion to the Board for another reason also: The Commandant has a number of duties to discharge relating purely to the college work, not expected at his hands by the War Department when he was detailed to fill the position of Commandant.

I hand with this report a communication from the Commandant on this subject of increase in salary.



If the salaries are made equal in each of the three divisions of the Faculty as planned, the additional annual appropriation will be \$2600; \$600 for the first division, <sup>Directors</sup> ~~Deans~~, \$200 for the ~~full~~ Professors; \$1200 for the Associate Professors; and \$600 for the Assistant Professors. This, added to the amount required for house commutation, makes \$3550. *I recommend that the Faculty*

*for the transaction of business consist of the President, Directors, Professors, Associate and Assistant*  
Station Council I have been working with the Heads of the Divisions of the *Professors*

State Experiment Station for the transaction of important business relating to the Station, and I would recommend to the Board that a Station Council be authorized, consisting of the President, Agriculturist, Chemist, Veterinarian, Horticulturist, Entomologist, Botanist and Bacteriologist, and the Dairyman, with the Secretary of the Station as Secretary. Before this Body will be read the manuscript for the bulletins prior to their publication. This will tend to obviate the chances for error in the bulletins from this Station. Before this body, also, discussions may be held concerning the plans for and the character of the experiments each division proposes to undertake for the betterment of the Station work. This submission of the plans of experimentation before this council will greatly aid in raising the standard of the Station.

Mailing Machine There is so much complaint that the bulletins fail to reach their destination, I think it to the best interest of the Station that the Board provide a mailing machine for the office in order that the Secretary may carefully address the bulletins and thus avoid this trouble in the future, ~~mentioned above~~. This mailing machine is used in all of the newspaper offices in the country, and costs about \$25.00. In order to use the mailed, it will be necessary to have the addresses printed on slips which will cost for the eight or nine thousand on our roll, about \$40.00. This will provide sufficient <sup>addresses</sup> to cover the mailing of the bulletins for four or five years.



Museum I think it will be the part of wisdom to begin the building of a Museum, which will be valuable to the departments of the college and Station in displaying the interests involved. Such a Museum will represent to the students the facts of Science in a manner totally different from the same presentation of the subjects by text-books. The eye will be educated as well as the hand and the ear. All the divisions of the college should be represented in this Museum. The handi-work of the students should have representation here, and the natural resources of the country should also find a place in the Museum. Contemplating such a feature of the college, when I arrived at Clemson I suggested to the Committee of the Board having in charge the publication of the Annual Report to the Legislature that it would be wise to request the General Assembly to so amend the law establishing the State Geological Survey as to require the State Geologist to send to Clemson College a specimen of each thing, fauna and flora, and ~~other matters which he is called on to collect~~, as well as the minerals of the State. *This bill has become law* At the June meeting of the Board, I will recommend that an appropriation be made for the Museum to enable the various divisions, under the direction of the President, to begin the building of this important adjunct to college work.

Resignations and appointments Since the last Annual Report of the President, the following changes have taken place in the personnel of the teaching force:

Prof. C. M. Conner resigned to accept a position in the Florida Agricultural College. A committee of the Board, consisting of Mess. Simpson, Bradley and Donaldson, appointed in his stead Mr. H. Benton, a graduate of the Alabama Polytechnic Institute, and who, for two years, was a student under Bailey at Cornell University. Mr. Benton has been engaged in practical agricultural work for a long time. He was Director of the Uniontown Agricultural Experiment Station in Alabama for several years, and at the time of his election to the place in Clemson College, he was



the agricultural expert for the Central of Georgia Railway.

Mr. Haven Metcalf, a graduate of Brown University, was appointed by my predecessor to fill the position of Botanist and Bacteriologist on the Station and in the college. Mr. Metcalf brings to his work a valuable experience as a practical Botanist and teacher, having filled responsible positions in institutions in other parts of the country.

Mr. Albert Barnes, the Assistant Professor of Mechanical Engineering, resigned the chair to accept a similar position in the Agricultural and Mechanical College of Miss., with a considerable advance in salary. By the authority vested in me, I appointed to this position Mr. S. B. Earle, a graduate of Cornell University in the School of Electrical and Mechanical Engineering. Mr. Earle was strongly endorsed by the professors of Cornell, and upon the recommendation of the head of the Mechanical Department, Mr. Riggs, I made this appointment.

First Lieutenant Edgar A. Sirmyer, <sup>2</sup>rd. Calvary U. S. A., who was detailed by the United States War Department to fill the post of Commandant of the Clemson College corps of Cadets, has entered upon the discharge of his duties. I am gratified to say that he has proved <sup>ne</sup>~~x~~ himself to be an efficient officer.

Mr. L. C. Raiford, Instructor in Dyeing, resigned to accept a similar position in the Agricultural and Mechanical College of Miss. To fill this place, I appointed Dr. J. H. James of Ontario. Dr. James is a graduate of Buchtel College of Ohio. He has pursued post-graduate studies at Columbia University New York, and received in 1899 the degree of PH.D. from the University of Pennsylvania in the course of Chemistry. For some time he has been engaged in the Metallurgical Department of the Lake Superior Power Co.

Mr. A. S. Shealy was given a year's leave of absence by the



Board, and, in his place, I have appointed Dr. Robt. J. Foster Assistant Instructor in Veterinary Science. Dr. Foster is a graduate of Cornell University in the School of Veterinary Medicine. He was for a time House Surgeon and Assistant in the Jersey City Veterinary Hospital.

Mr. E. M. Matthews, who filled the position of tutor in Drawing, and who was also one of the Majors in the Barracks, resigned at the close of the last session of the college. Mr. F. T. Dargan was appointed by my predecessor to fill this place.

Mr. E. P. Earle resigned at the close of the last session and his place has not been filled.

Academic I congratulate the Board on the fine opening of the Institution, apparently the best in its history, if we count simply the young men who are prepared for the college classes. During the first year after the opening of the college, it is true, there was a larger gathering of students at Clemson College, but the records indicate that the larger portion of these were below the standard for college work. Up to the present date, 539 cadets have registered.

Discipline The discipline has been well administered by the Commandant, and but little friction has been manifested between the students and the authorities of the Institution. On September 22nd., there was some disturbance among a small number of the Cadets, and five of them were detected and punished. Three were dismissed for using intoxicating liquors, one was suspended for the remainder of the session for stealing, and one was suspended for three months for injuring the electric works in the barracks. This enforcement of the discipline seemed to produce a very wholesome effect upon the entire body of students.

The trouble which developed in Columbia during the Fair, an account of which was published in the papers at the time, was not



in any way discreditable to the Cadets of this college, and I wish generally to praise them for their conduct on that occasion. The only adverse criticism which may be given was probably the fact that they visited the campus of the South Carolina College after the street parade and demanded the transparency which produced so much friction between the two bodies of students. If the papers had remained quiet on the subject, however, I am confident that the matter would not have reached such prominence.

On the evening of Jan. 16th., six Cadets were suspended for disorderly conduct on the grounds after being permitted extra privileges by the Commandant. It is proper for me to say in connection with this enforcement of the regulations that these Cadets were brought before the Discipline Committee consisting of the full professors, which was in accordance with the action of your Honorable Body.

Gymnasium I recommend that a building be erected for a Gymnasium and for the use of the Young Men's Christian Association. The income of the college will permit of this investment, and I feel that the money will be well spent. I recommend that \$10,000 be set aside for this purpose, <sup>one of this year's balance</sup> and that a first-class architect be employed to draw plans and specifications for this building. I would suggest that this building be erected below the parade ground so that a basement may be possible for swimming pools, and the first story will then open on the parade ground, and thus give the young men facilities for reaching the campus on the ball ground.

I think that this building should be constructed well with pressed brick <sup>terracotta</sup> and stone trimmings since it will be on the front portions of the campus, and among the first buildings visible to parties visiting the Institution. It should be carefully erected out of the best materials and under the direction of a first-class contractor. There should be two stories on the front for



reading rooms, assembly rooms, and offices, while the rear portion should be ~~one story high~~ and of sufficient elevation <sup>of ceiling</sup> to permit of the use of the necessary apparatus required for swings, running

tracks, and other necessary equipments to be found in the best <sup>in the basement of this rear portion of the building</sup> equipped gymnasia in the country. <sup>should be a swimming pool, bowling alley and paths</sup> This rear portion should be illuminated with skylights.

Science  
Hall

Called Science Hall

It is my desire to see in the near future another building erected which shall be used for the biological <sup>+ Geological</sup> sciences of the

college, viz. Agriculture, Botany and Bacteriology, Horticulture,

Veterinary Science, Entomology, <sup>Animal Husbandry</sup> Dairying, Geology, Physics, the

Museum ~~(and the Library.)~~ The main building can then be used for the

academic department, the offices of the President, Treasurer, and

Commandant, a place for the meeting of the Board of Trustees, a

hall for the reception of visitors who come here to see the boys

and for other purposes, and also the office of the Secretary of

the Fertilizer Board.

In the main building there are twenty-two rooms. To accommodate the departments above enumerated it will take three rooms for the English Division. five for the Mathematical, three for the Sub-Freshman class, three halls for the societies, one for the President's office, one for the Treasurer's office, one for the Commandant for his lecture room, one for the office of the Secretary of the Fertilizer Board, and one for a store room to enable him to store the fertilizer tags, and one room for the meeting of the Board of Trustees, making a total of twenty-one rooms. This arrangement will enable us to use the basement of the new barracks for students' quarters. This can be done by running a hall through the centre of the barracks from end to end, and thus arrange for a number of desirable rooms.

The Committee from the General Assembly which examined the college a short time since, called attention to the difference be-



-tween the prominence given to the Mechanical sciences and Textile Industry in contrast to what has been accomplished in the Agricultural department of the college, and I feel satisfied that in the erection of the building which has been indicated, this criticism will in a great measure be over-come. One great difficulty that we contend with now is the fact that classes going from the barracks to meet the professors in Horticulture, Dairying, and the other divisions, consume much valuable time because these divisions of the college are so widely separated.

I simply desire to unfold to the Board the plans I have been making since I arrived at Clemson and assumed charge of the responsibilities you have placed in my hands. If this new building is ever erected, and I trust the funds of the college will permit of this very soon, I think the best place for it is on the hill where the hotel is situated, just to the northwest of the hotel, further down on the brow of the hill, facing the Calhoun road and about on the spot occupied by the Tennis Court. This location will allow ample facilities for a basement to contain a heating plant, store-rooms, dark-rooms, and space for such other purposes requiring basement. The fall of the ground will permit of ample drainage. In connection with this building, there should be an insectory, Bacteriological culture rooms. If it is not possible to begin the erection of this very desirable structure this year, I would recommend that the divisions of Horticulture, Entomology, and Botany and Bacteriology be provided with suitable places to enable the professors in charge of these interests to conduct the necessary experiments required for the correct study of the injurious insects, diseases of plants and green-house work.

President Teaching At the session of the Board at which I was elected, it was resolved that it was the wish of your honorable body that I should teach one class each day, and every effort was made to carry out this order of the Board. It was found impossible, however, during this year to accomplish this end without changing materially

*out of any balance on hand and an additional appropriation. This be made at the next meeting 1909. It will distribute the cost of the building over two incomes First tax*



the classification of the courses and subjects. This step I deemed to be unwise until I could have time to carefully study the college in all of its work, and I have, therefore, simply attempted to fill the positions of <sup>some</sup> of the professors during his absence from the college <sup>on account of sickness & otherwise</sup> ~~at the opening of the session, by the permission of the Board.~~ Until Prof. Lewis was able to return to his duties from the Geological expedition he was engaged in, I took charge of his classes in Geology and Physical Geography. The duties of the President's office are so very numerous, I will find it quite difficult just at present to do any large amount of teaching, but I believe that it is very desirable for anyone at the head of an institution to be brought in contact with the college boys in other ways than simply enforcing discipline. I think that the position of the Board in this regard is very wise. I would recommend, however, that the question of providing classes for me be left an open one until steps can be taken that will enable me to accomplish this work with the greatest amount of advantage to the college, and until I can at least get in full accord with the demands of the duties of this office.

Repairing Calhoun House I would recommend that \$ 250 be appropriated for the purpose of painting the Calhoun Mansion, and covering it with metal shingles so as to place this valuable building in as near fire proof condition as possible. Everybody who visits the college desires to see this old building because of its association with South Carolina's most distinguished son, and it is unfortunate to have these parties express astonishment that this valuable building is not kept in good repair.

In item four of Mr. Clemson's will is the following sentence:  
"It is my desire that the dwelling house on Fort Hill shall never be torn down nor altered, but shall be kept in repair with all the articles of furniture which I hereinafter give for that purpose,



and that it shall always be open for the inspection of visitors"

I ask that this appropriation be made immediately available in order to enable me to have the building put in good repair before the commencement occasion.

*Holding back Appropriations* The appropriations made at the last meeting of the Board do not expire until June 30th. next. I have not, therefore, presented with this report itemized statements from the departments of the college and station. This budget will be presented at the meeting of the Board in June next. In this connection, however, I would suggest that when the appropriation of the money coming from the inspection of fertilizers is made, that the President be authorized to hold back the expenditure of these funds until the money is actually in the Treasury so that the Treasurer will not be compelled to borrow money at interest to meet the demands made on him by the heads of the departments. Feeling the importance of this question so keenly just after I entered upon the discharge of my duties, I notified the members of the Faculty that I would not approve bills until the money was in the Treasury. If this money comes in too late to enable the parties having a right to spend it under the appropriation, to make out bills and purchase the balance they need before the next meeting of the Board, they may place the bills in the hands of the Treasurer, marked "bills payable", and thus prevent the lapsing back into the Treasury. This method of marking these bills as "bills payable" will also prevent the appearance of a balance at the end of the year, which has been so only by appearance in the past few years. By this method, also, we will prevent the members of the Legislature from disturbing themselves in their efforts to advise us how to spend this extra amount of money.

*Reinvestment* It seems to me that the present system of allowing the employees of the college and station to use the money coming in through the sale of the products of the college farm and experiment station, is unwise. This, so-called reinvestment fund, should be turned into the Treasury by the parties permitted to sell the material, and the



Board of Trustees should re-appropriate it at the next annual meeting as they do with all other funds. This will remove the responsibility from the employees of the college and place it on the Board of Trustees where it belongs. My suggestion would be to have a book in the Treasury, in charge of the book-keeper, in which the amount will be entered to the credit of the party making the sale, <sup>and Sec & Treas give a receipt for same</sup> and ~~at the meeting of the Board, the President will be able to show just how this money came in and from what sources~~. This money should go into the general funds of the college, except in the case of items coming from the sale of experiment station products which should be entered to the credit of the station. I would suggest that Mr. Taylor's salary ~~should~~ be somewhat increased to compensate him for keeping this book.

Farm and Herd The farm and the commercial herd should be run on a business plan. I do not wish to be understood as reflecting upon Mr. J. P. Lewis in saying this because I consider him a valuable man about the college and he is willing to do all that he can for the benefit of the station. I do wish, however, to impress upon the Board that I do not think the farm, the commercial herd, or the convicts are conducted along lines which are very satisfactory. These interests should be so adjusted as to make the income very definite, and the annual expenses required to run them clearly manifested on the books of the Treasury or in the hands of the farm manager. I have been working with Mr. Lewis since I noticed this trouble to see if we could not accomplish this desirable result. I have instructed him to submit to me an itemized statement concerning the number of hands he will require to run the farm and the other interests in his charge; the number of mules and wagons needed to keep the crops in good condition, and to keep the pastures and both herds in first-class order, and then to keep an itemized statement of what the interests under his charge will cost during the year, and how much he will bring in by sale.



Convicts

I think it will be wise to divide the convicts into three groups. One to be used in the improvement and development of the Campus; one to be used entirely on the farm and its interests as well as to care for the commercial <sup>and Registered</sup> herds and the third for miscellaneous work about the property. If it is needful to take these men of the convict force from the farm at any time of emergency, Mr. Lewis should keep a correct account of the time and be given credit by the department of the Institution using these convicts. The same thing should be done with the other two divisions if used in any other kind of work than that especially belonging to their division. I have arranged since I came to have four of the convicts engaged most of the time in keeping the Campus in good condition. The farm and the commercial herd should receive regular appropriations from the Board of Trustees and not depend upon sales to keep them up. The Board should be informed at the end of each year in definite figures just how many days the convicts have been worked and for what purpose.

Rawl's Salary

I recommend that Mr. Rawl's salary be increased to \$50.00 per month. He has received several offers from parties who desire to secure his services, with a decided increase over the wages he is now receiving from this college. He is a valuable man for his position, and I have found him ready and willing to assist in other directions whenever his services can be used by the college. He has been of material benefit to the Band in the Military Department in assisting the young men in their practice since he is able to play several of the instruments with skill. He is good natured and ready to help at all times.

Additional labor for registered herd

Under the direction of Senator Tillman, I engaged the services of another man for the new barn with a salary of \$12.00 per month and board. This expense was deemed necessary in order to provide for the care of the cattle placed in that barn. I am having constructed, around the land set aside for the use of the barn, a fence partly built of iron, and partly of plank. This work was also done under



The orders from the cattle committee. The expenses incurred for this purpose *will be reported to the Board in June, 1902* amounted to \$\_\_\_\_\_ for the iron fence, and \$\_\_\_\_\_ *because the work is not yet completed* for the plank fence. Much progress has been made in preparing

the extensive pastures ordered by the cattle committee, in clearing up the ground, *in sowing it in grass*, and in fencing it, but there is still much to do, however, since the work has been greatly handicapped by continued bad weather. *Painting fence and bull stalls*

I have been trying for some time to have the road just beyond the Horticultural grounds closed up through permission of the County Commissioners Court, so that there may be a continuous fence, without a lane, at this portion of the property. Mr. Stackhouse visited Walhalla to confer with the County Commissioners on this subject more than a month ago, and they promised to bring it before the court at its next meeting and inform me officially what they could do. This, however, they failed to carry out. I wrote them a letter, and one of the commissioners visited Clemson and informed me that he did not think there would be any trouble about closing up the road, but he was unwilling to give me the authority to do so until the Commissioners should have a meeting. *I have*

*just* not yet received the authority to close this road *after sending* although I have *Mr. Stackhouse and Mr. Goodman twice to Walhalla* written twice for the communication. I will still take steps and *what shall be done about serving the bulls to cows outside* try to secure this official authority. *Who should keep up road to Cherry and Pendleton*

*Fire protection* Feeling that there was inadequate protection against fire, especially when there is not enough water pressure to force a stream to the top story of the main building, I assumed the responsibility of purchasing a set of ladders so that the boys of the fire company might learn how to reach the tops of the buildings, and thus be prepared to battle against fire if it should break out in the upper stories. Arrangements are being made to place these ladders under a corrugated iron shed at the Southern end of the new barracks so that they may be readily reached in case of fire.

*There is an insufficient supply of hose for fire protection. The quantity on hand is in bad condition. A new supply ought to be purchased at once. This hose will cost about 45 cents per foot*

See item A

See item B



Commencement The present arrangement of the Commencement exercises is rather peculiar in that the Senior class will have graduated and gone before the commencement sermon is preached. It will not be possible to compel these young men to stay in Clemson College after they have received their diplomas and the result will be that the minister as well as the distinguished speaker will have to speak to the empty benches so far as the young men are concerned. I would recommend, therefore, that the commencement exercises be changed so as to read as follows: Sunday, June 7th., Monday, June 8th., and Tuesday, June 9th. The day on which the Senior class graduates should be the last day of the commencement, and this is not the case now.

Small pox During the month of December, a case of small-pox broke out in a negro cabin in the neighborhood of the hotel, and I was called upon to take heroic steps in order to stamp out this disease, and protect the young men in my charge. I called a meeting of the health board and with their recommendation I proceeded as follows: A camp of detention was established on the Lewis place and a guard located nearby. All of the persons who had been exposed to this sick man were transported to this camp of detention and kept there the required length of time. I gave notice to the State Board of Health that small-pox had appeared on the grounds, and asked that the proper protection be given in order to prevent this disease from spreading among the boys and in the community from cases known to exist in the neighborhood of the college property. Dr. Evans, an officer of the health board, visited the college, and he informed me that everything had been done by Dr. Redfearn. He advised that the negro cabin be burnt as soon as possible. This was done. After the camp of detention was no longer of service, it was also consumed by fire. All of the Cadets, as well as the people on the hill, were vaccinated at once. In order to carry on this work as rapidly as possible, I engaged the services of Dr. Devant of Pendleton to assist Dr. Redfearn.

Since this work was accomplished, a case has developed in



Prof. Frissell's family. I have caused all the persons who were exposed to be quarantined, and such other steps have been taken to prevent the spread of the disease. This case of small-pox was demonstrated to have been contracted from abroad and was not caused by exposure to the germs on this property. The entire cost of fighting this trouble was taken from the contingent fund. I trust the Board will approve and sanction the steps I have taken in this matter. I brought the general proposition before the executive committee, and they approved it.

Disinfectants

In this connection, I would recommend that the Commandant, with the assistance and advice of the Surgeon, be authorized to purchase each year suitable disinfectants and have the floors in the barracks treated before the sweeping is done. This will tend to destroy germs of disease which may be present in the shape of saliva and other sources.

Mr. Cracken's appointment

Mr. Mc. Cracken was appointed by a committee of the Board, consisting of Mess. Simpson, Donaldson, and Bradley, to assist at the Dairy with the wages of \$15.00 per month.

Electric Wires in houses

The expense of wiring the houses should not be borne by the Professors but this item ought to be provided for out of the money of the Institution as this wiring is one of the permanent fixtures of the house. The occupant ought to pay for all suspending wires, and the lamps.

Wells, servants houses + Stables

The cottages recently built should be provided with servant's houses and wells. I have also been informed that some of the other houses have no wells. <sup>Take about \$500</sup> This ought to be provided for as soon as possible. In connection with this, I respectfully refer to you a communication from Mr. S. W. Reaves, Assistant Professor of Mathematics, asking for an appropriation of \$47.75 to be used for the purchase of material for enclosing his yard and garden. I recommend that these requests be granted. <sup>and Prof. Chumbliss' request for \$40 for fence</sup> See also Mr. Goodman's estimates for wells + Mr. Keith's Stables

Visiting Committee

The Visiting Committee appointed by your honorable body, vis-



Colman College, D.C.

Feb. 11, 1903.

To the Honorable Board of Trustees  
of Colman College.  
Gentlemen:

I would respectfully apply to you, through President Melt, for an appropriation of \$47.75 to be used in the purchase of material for the following improvements on the premises about the house I now occupy:

- (1) 100 yds. of board fencing for back yard.
- (2) 84 " " " " garden.
- (3) Lattice work to enclose space underneath the house.

The above estimate of the cost of these three items (\$47.75) has been made by Mr. John Goodman, Supt. The "Construction and Repairs" Department. I propose bear the expense of all work required.

The fact that the rear of my house is so much exposed to the public and to the barracks makes the need of an enclosure for the back yard almost imperative.

Very respectfully,

Wm. Rears.

Asst. Prof. Math.



### Board of Visitors 1902-1903

FIRST DISTRICT—Hon. W. G. Hinson, James Island

SECOND DISTRICT—Hon. J. C. Shepard, Edgefield

THIRD DISTRICT—Hon. J. R. Vandiver, Anderson

FOURTH DISTRICT—Hon. D. E. Hydrick, Spartanburg

FIFTH DISTRICT—Hon. J. L. Glenn, Chester

SIXTH DISTRICT—Hon. J. H. Hudson, Bennettsville

SEVENTH DISTRICT—Hon. F. D. Bates, Orangeburg



1 hour Recitation  
per week

## Faculty

(For 1902-1903)

(In order of seniority.)

HENRY S. HARTZOG, LL. D.,

*President*

8 M. B. HARDIN (Virginia Military Institute),  
*Professor of Chemistry*

14 C. M. FURMAN (A. B., Furman University),  
*Professor of English*

28 W. S. MORRISON (A. B., Wofford College),  
*Professor of History*

10 J. V. LEWIS (B. E., Univ. of N. C.; S. B., Harvard; Johns Hopkins),  
*Professor of Geology*

20 J. S. NEWMAN (University of Virginia),  
*Professor of Agriculture*

12 J. H. M. BEATY (South Carolina College),  
*Professor of Textile Industry*

26 P. T. BRODIE (B. S., A. B., Furman University),  
*Professor of Mathematics*

14 W. M. RIGGS (E. M. E., Alabama Polytech. Inst.),  
*Professor of Electrical Engineering*

.....  
*Commandant and Professor of Military Tactics*

18 R. N. BRACKETT (A. B., Davidson College; Ph. D., Johns Hopkins),  
*Assistant Professor of Chemistry*

A. M. REDFEARN (B. S., Wake Forest College; M. D., L. I. College Hospital),  
*Instructor in Physiology*

6 F. S. SHIVER (Ph. G., University of South Carolina),  
*Instructor in Agricultural Analysis*

16 ALBERT BARNES (M. M. E., Cornell),  
*Assistant Professor of Mechanical Engineering*

18 J. S. McLUCAS (A. B., South Carolina College; A. B., A. M., Harvard),  
*Assistant Professor of English*

C. M. CONNER (B. Agr., Univ. of Missouri; B. S., Mich. Agr. College),  
*Assistant Professor of Agriculture*



visited the college during the month of November, and made a thorough examination of all the departments of the college. I suppose their report will be submitted to you. It has not reached me yet. <sup>See catalog for names</sup>

*Committee of General Assembly*

A Committee of the General Assembly, consisting of Senators W. M. Graydon, P. C. Hardin, and Representative Rainsford visited the college on Dec. 16th. They spent several days in a thorough examination of the Institution, and when they left, they expressed themselves as being well pleased with the college and what it had accomplished in the past. They came under the terms of the following law, passed by the General Assembly: "Be it enacted by the General Assembly of the State of South Carolina: That the presiding officers of the Senate and House of Representatives shall annually appoint a committee consisting of two members of the House of Representatives and one of the Senate, whose duty it shall be to examine in December of each year into the Expenditure of all sums of money used for the maintenance and support of the State Educational institutions of the State and the physical conditions of such institutions and to report their findings to the General Assembly next after their appointment together with any suggestions looking to efficiency of such institutions or any of them."

I submit herewith also a copy of the report they made to the Legislature at its session just closed. I feel that their visit has accomplished much good in informing some of the influential citizens of the State concerning the splendid institution we have here, and I hope it will be the means of winning for us additional strength and support in the Legislative Halls of South Carolina.

*Bond*

The attention of the Board is called to the attached bond for certain guns and appliances which the Commandant desires to secure from the War Department for the use of the Cadets. In order to obtain these pieces, it is required by the Washington authorities that the Board of Trustees shall sign the bond herewith submitted. I







This contains some criticisms of the policy then<sup>being</sup> pursued with regard to station affairs, to which it seems desirable I should call your attention. It then appears that in the division of the dairying the creamery was being run entirely for instruction and commercial purposes, and without experimental features. Nevertheless the station was charged with expenditures for dairy apparatus. It also appeared that the arrangements with reference to the dairy herd were unsatisfactory, as the station had very little control over the feeding of the animals. We have since been informed that a barn has been erected for the station herd and hope that this means there will be a definite division of the animals used for experimental purposes from those used in a general way by the college and that the experimental work in dairying will this year be conducted in a more satisfactory way.

It also appeared that the entomologist and botanist was receiving one-half of his pay from the station, and that this was entirely out of proportion to the time he could give to station work, as he was obliged to teach some eighteen hours a week throughout the year and to attend institutes during the month of July, as well as carry on inspection for scale insects. Dr. Allen understood from Dr. Hartzog that this matter would be adjusted in last year's account so as to make it fair to the station.

In the horticultural division, the station was paying the expense of operating the greenhouse including the salary of the laborer in charge, though the house was devoted to ornamental plants and is not suitable for experimental purposes. The general expenses of the horticultural work were also too largely put upon the station.

Before deciding whether I can approve the accounts for the past fiscal year, I desire to be informed what portion of the total salaries of Messrs. Chambliss and Upton were paid from the Hatch fund last year and also what arrangement for the current<sup>fiscal</sup> year is as regards the salaries and other expenses paid from the Hatch fund for the divisions of dairying, horticulture, entomology and botany, as re-



lated to experimental work being carried on in these divisions."

Dec. 8.

"Dear Sir:-

Your favor of Dec. 1st. has been in my hands for several days. Because of the pressure of other college and station matters, I was unable to carefully examine into the criticisms you make until the present time.

The relationship between the college and station at the present time seems to be as follows: The division of dairying heretofore devoted to the interests of the college, as determined by Dr. Allan in his criticism to you, has been divided and the portion devoted to the making of cream and butter for the barracks is now paid out of the college funds. The Board of Trustees have just completed a large experimental barn, and are now engaged in stocking this barn with fine breeds of cattle. This division is under the direction of MR. C. O. Upton, and is set aside for experimental purposes. I think this carries out the promise made to you by Dr. Hartzog referred to in your letter. I shall see to it during my administration, so far as my influence with the Board of Trustees goes, that the funds of the station shall not be mixed with the funds of the college, and that the amount of money coming in from the Hatch Act shall be devoted entirely to experimental purposes. Of course you know my views upon that matter during my connection with the Alabama station and my efforts to bring about that result. I am sure that Dr. Hartzog was trying to do the same.

Now in reference to the salaries paid to the gentlemen mentioned in your letter. The former chair of entomology and botany has been divided. The chair of entomology is now filled by Mr. C. E. Chambliss. He receives a salary of \$600 from the college and \$600 from the station. It is supposed by the Board that half of his time will be devoted to experimental work, and I am endeavoring to accomplish this. Prof.



Haven Metcalf has the position of botanist and bacteriologist. He receives a salary of \$750 from the station and \$750 from the college. Mr. C. O. Upton, the expert in charge of the dairy division, receives a salary of \$450 from the college and \$450 from the station. I think the largest portion of his time is devoted to the station.

Let me repeat, it will be my endeavor to adjust the relationship between the college and station so that the officers employed in both shall devote a proportionate share of time to the work of each. You will remember that I entered upon my duties here at Clemson in September. I have therefore been in this position only two months. It has not been my opportunity or pleasure to meet with the Trustees, therefore I have not been able to outline before them the policy and plans which I desire to carry out. The Board meet in session in March 1903. At that time I shall bring before them all of these questions relating to the college and station.

Now I trust that this letter is entirely satisfactory to you and that there will not be adverse criticism raised against Clemson College and station in the forth-coming report from your office."

Dec. 11.

"Dear Sir:-

I have received your letter explaining the present policy with reference to the South Carolina Station, and am glad to know that progress is being made in putting the station on the right basis. I may say to you confidentially that I deem it more important than ever before that this matter should be adjusted properly. There is a wide spread impression that the colleges are not treating the Hatch fund fairly, and this criticism is being reflected in congress. In discussing the appropriation bill lately members of the committee on agriculture in the house of representatives have spoke quite strongly of their belief that the colleges were not doing right in this matter and that something ought to be done to separate the college and station work and expenditures more clearly. It is therefore very



desirable that as far as practicable we should have a clear division of work and expenditures as between college and station, in order that we may report to Congress that the Hatch fund is properly used. I hope therefore that at its meeting in March your Board of Trustees will make such arrangements as will leave no doubt in our minds that the Hatch fund is treated exclusively as a research fund."

It is well understood by all station men that the United States government is trying to have the Hatch fund, or the experiment station income, spent by the states for research work only and to prevent its use for the purpose of teaching students in the colleges. In other words, this money is purely for the benefit of the farmers. I recommend that this matter be carefully considered by the Board, and that the \$15,000 given to this institution for the use of the experiment station be protected so that no appropriations be made from this fund for any other than experimental purposes as clearly indicated by the Act making provision for this Station.

Reading room The reading room of the Library should be provided with the standard magazines for the use of the students, and for this purpose, I recommend that \$150 be appropriated for the subscriptions to these magazines. This appropriation may be provided for in the budget which the Board will pass in its meeting in June. I simply bring out the question in connection with this general outline of the plans for the development of the institution in the future.

Shelving in Library There should be shelving placed in the Library room to preserve the government publications which are coming to us in <sup>considerable</sup> great numbers. I recommend that ~~some~~ of the money appropriated by the Board at its last meeting for erecting a dressing room on the north side of the Chapel (\$150) be set aside for the purpose of erecting these shelves and providing tables for the Library. I recommend that this money become immediately available.

Library Committee I have appointed a committee from among the members of the



faculty, consisting of five professors which I have designated as the Library Committee, and I have placed the Library in the charge of these gentlemen who will consider all matters relating to the welfare of this important branch of the college, and make their suggestions and reports to the President for final ratification and approval. Under the management of this committee, the books have been clasified according to the Dewey system, and a card catalogue is under way of completion.

Requirements in Code

In order to avoid all criticisms on the part of the Legislature, it seems to me that something should be done to carry out, in a degree at least, the requirements found in paragraphs Nos. 1, 2, 3, and 10 of section 13/~~3rd~~ ~~13~~ of the statutes of the State in regard to the collection of statistics and information concerning agricultural products. This measure required by law should either be carried out or amended. The time is coming when some one in the General Assembly will make an attempt to re-establish the department of agriculture if this matter is not attended to.

Dangerous Condition

Textile Building

I respectfully call the attention of the Board to a letter from Prof. Beaty in reference to the unsafe condition of the Textile Building.

Christmas

In accordance with the resolution of the Board, found on page 320 of the minutes, we gave a Christmas vacation of ten days, extending from Dec. 23rd. to Jan. 3rd. The students returned to their duties promptly, and only four were absent on the first day after college resumed exercises. These were detained on account of sickness. I recommend in this connection that hereafter the Christmas holidays be fixed by the Board of Trustees to include two weeks so that this may be published in the catalogue for general information.

Colonial Records

The Colonial records of Carolina, given by Hon. N. H. R. Dawson to the State, through the courtesay of Mr. Courtenay have been donated to this Institution by Gov. McSweeney. These books are very valuable. They are preserved in a case in the Library under

plum  
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lock and key, as books of reference not to be taken out of the room. I am attempting to collect the historic books relating to South Carolina.

*Outlining objects of two Dairy Divisions*

I wish the Board would clearly specify just what the two divisions of the dairy are intended to accomplish. One is called the commercial herd and dairy, and the other the registered herd and new barn. Is it the intention of the Board to use this last group of cattle and the new barn for the department of the State Experiment Station or not? This is of considerable importance for the reasons brought out in Dr. True's letter already read to the Board. If it is the intention of the Board to use these registered cattle for teaching purposes, then that fact should be clearly indicated so that we will not risk violating the Hatch Law establishing the Experiment Stations. Is it the intention of the Board to sell off the inferior cattle? If so, shall I cause the sale to take place without first referring the matter to the Board for ratification? Shall I use my discretion in this question? *I recommend that a single horse wagon and mule be purchased at once for the use of the new barn and campus*

*Resolution from Faculty*

At the meeting of the Faculty, Sept. 22nd., it was resolved that the Faculty request the Board of Trustees to require all applicants for admission and all conditioned students to report at the college five days before college opens to stand examinations and remove conditions. I recommend that this resolution of the Faculty go into effect next September just before the opening of the session 1903-1904. This will be of considerable importance to the college because it will be the means of enabling us to determine just who are prepared to join the classes before they register, and it will prevent considerable hard feeling on the part of the parents if their boys come to Clemson and are allowed to enter the institution and are then found unprepared and are sent home.

*Orders from War Dept-*

General orders No. 94 from the United States War Department were received shortly after the opening of the session, and a few days thereafter a circular letter from the committee appointed by the As-

*I turn F*



-society of Agricultural Colleges and Stations on the subject, both of which are herewith submitted to the Board for information.

Lectures

The winter entertainments allowed by the appropriation of \$400 supplementing the contribution from the students, have been greatly enjoyed, and they were of great value to the entire community. We had lectures from Dr. H. W. Mabie, Dr. Alderman, and Dr. Dinsmore. We also had several concerts.

Literary Societies

Some of the leading members of the literary societies have reported to me that the interest in these important adjuncts to college work is abating on the part of the students. The membership is not as large as it should be, and some of the leading members have requested me to aid them in overcoming this difficulty. It has occurred to me that a step in the right direction will be to give these societies certain days during the session on which to hold public debates in the college chapel. For instance, the legal holidays, R. E. Lee's birthday, Jan. 19th., <sup>Washington's birthday Feb 22nd</sup> May 1st., and also a period at commencement may be properly selected. On Lee's birthday <sup>one of</sup> the societies might hold <sup>a</sup> public debates. <sup>One on Washington's birthday</sup> On May 1st. in the morning they might have field work given by the athletic association in the shape of all kinds of athletic sports, and then at night another society celebration. May. 1st. might be called also "Field Day". At commencement, a speaker from each society could appear on the stage at a time provided for in the program, on which occasion the successful candidate will be awarded a medal given by the Board.

General Library

All books purchased by the college and station should belong to the general library, and should be stamped accordingly. Heads of divisions may take out of the library certain books which pertain purely to their divisions provided record is kept by the librarian to that effect. This does not prevent heads of departments from purchasing books with money appropriated by the Board, but it simply means that all books purchased with college and station funds, must be listed in the general library, and be subject to the inspection



of students and faculty at any time when the library is open. Under this call these books may be returned to be consulted and then, if desired, sent back to the department.

Schedule

I would recommend that the Board of Trustees leave the question of arranging the subjects of the courses in the hands of the President and the Faculty with power to act. This is in accordance with the universal custom of all colleges, and seems right and proper. The Board should establish the chairs and indicate the subjects to be taught by the departments, but in the correlation and adjustment of subjects the President and the Faculty should have jurisdiction. As a proof of the truthfulness of this proposition I will say that the Agricultural course as now published in the catalogue, is not arranged so as to permit of connected subjects following each other in order, but in some instances the higher topic comes first. In this course, also, the Sophomore class is over-crowded with scientific subjects, some of which should not be studied before the student has a knowledge of general chemistry, and the Junior and Senior classes are the places for such subjects. Again, Physiology is put in the Sub-Freshman class when really it belongs to the Sophomore class. The Sub-Freshman class should be well drilled in English and Arithmetic to prepare these boys for entrance into the Freshman class. The ~~Sub-Freshman~~ class is no place for the study of Botany. This subject should not be started before the spring of the Sophomore year, and still better in the Junior year. Those who make the study of college work in the class-room a daily study are the proper ones to say how the subjects they are teaching should be taught. *arranged*

It is my desire to develop a course in Chemistry and Metallurgy so that we will be ready to meet the requirements of the mining bill pending before Congress. Viz. ("A bill to apply a portion of the proceeds of the sale of the public lands to the endowment, support and maintenance of the science or department of mining and metallurgy in the several states and territories in connection with the colleges for the benefit of agriculture and the mechanic arts established in ac-



-cordance with the provisions of an act of Congress, approved Jan. 2.

*In order to give the Cadets more time each afternoon for recreation I suggest that the practical work be made into periods of 2 hours - that the study period end at 4 pm and that some of the practical work be placed on Saturdays morning.*

The course in Civil Engineering needs enlarging and improv-

ing, and in the near future a professorship of Civil and Mining

Engineering should be established. (I suggest to the Board the im-

portance of considering this question, and I trust that at a future

meeting of the Board this step will seem wise, Viz. The establishment

of this chair.) The course in Civil Engineering as now provided for

in the catalogue is overshadowed by the Mechanical and Electrical

courses, and great injustice is unintentionally done to this im-

portant branch of industry. *Military drill should begin at 4 pm instead of 5 - as now the boys may have more time for recreation.*

*Prizes to mil. Dept.* As an inducement to good work in the military department, I

would suggest that the Board of Trustees give to the Captain of the

best drilled company a sword, and to the best drilled private in the

corps a gold medal.

*Post-Graduates Excluded from mil.* Post-graduates from this college and from other Institutions,

also persons over twenty-one years of age, who apply for special and

advanced work in the shops ought to be excused from military duty,

these men to board where they desire. It is not necessary to con-

fine them to the barracks.

*Laundry motor* I have approved the following expenditure, requested by Mr.

Riggs, for the laundry to be paid out of the income of the laundry,

because, as stated by Mr. Riggs, the plant was in danger of breaking

down, and thus interfering seriously with this necessary adjunct to

the barracks. *See Riggs' letter next page -*

*Reducing size of P.P. Lewis' lot -* It has been stated to me by Mr. J. P. Lewis that the members

of the Board have expressed a wish that the rear portion of the lot

adjoining his house be thrown into the Campus. If the Board still

wishes this work done, I would be glad to carry out their orders. I

think it would greatly improve the Calhoun lot to remove the little

building, known as the old post-office, under the large oak near

*Bridge* Prof. Brodie's. The old bridge below the Laundry should be either repaired or removed - There seems to be little use for this bridge



World's Fair

Your attention is called to a bill (H. R. 15920) in reference to an exhibit at the World's Fair at St. Louis. This bill calls for the installation of a collective exhibit, just such a one as was made at the Paris Exposition. We should add our share towards this general work of the colleges. I bring this matter before you at this time in order that you might think over the subject before the meeting in June, and I suggest that it be laid on the table until that time.

Cottage flues

My attention is called to the insecurity of the flues built to the recent cottages. I submit to you a letter from the General Insurance Agent, Mr. Hard, laying special stress upon the importance of changing these flues so as to hold the insurance on the dwellings. This is a matter of importance and needs immediate attention.

Dr Redfearn's pay

I have relieved Dr. Redfearn for the time from teaching Physiology because of the demand upon him made by the small-pox cases around this property. The subject of Physiology has been placed in such Dr. Nesom's department until the Board can take steps as they deem best to provide for this subject. It seems to me, however, that the best arrangement would be to assign this subject to the Professor of Entomology, as it comes naturally in his charge, and I would recommend, therefore, that the schedule committee be authorized to make provision for the teaching of this subject by Prof. Chambliss another session. Dr. Redfearn was allowed a small compensation of \$150 for teaching Physiology, and I have allowed him to still draw this money each month for the reason that I consider the small amount insignificant in comparison to the risk he was encountering and the faithful services he was rendering the college in his efforts to stamp out the small-pox. I recommend that Dr. Redfearn's salary be kept at the figures \$1350, which will be the \$1200 allowed him by the Board, and the \$150 he was receiving for teaching physiology, that this amount be taken out of the Cadet fund, and that he be permanently relieved from teaching physiology since his duties as surgeon are of such a nature as to render his time in the class-room



exceedingly uncertain.

Farmers Institute

I recommend that the Farmers' Institute work be placed in the hands of the Professor of Agriculture, and that he be given power to attend to all arrangements and the details of this work under the supervision of the President.

There are frequent complaints on the part of the students that the laundry is not returned in a first-class condition. Their laundry is frequently returned in a stained and untidy condition. This is the only division of the Institution which has a balance to its credit at the end of the year, and I am convinced that there should be skilled work done there. Mr. Hopkins is, no doubt, doing his best, and it is not my desire to supplant him. I desire simply to call the attention of the Board to this defect in order that they may devise some way of remedying the difficulty and overcoming the complaint. I also recommend that when the next annual appropriations are made that provision be made for an addition to the building so that the machinery may be arranged in a less crowded condition. This, however, will be brought before the Board at their next meeting, with plans for the accomplishment of this.

Machinery &c in Riggs Charge

All matters relating to the machinery, electric lights and water works should be placed under the direct charge of Prof. Riggs. Appropriations made for heating the various buildings and supplying light and water to the barracks should be included in the estimates made by the various departments after consultation with Prof. Riggs. After these appropriations are made the purchase of the machinery, keeping it in order et cetera should be left in the hands of Mr. Riggs under the advise of the President.

Read the Commandant's report



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